

2.01.03

WISCoding for Sine and Cosine Routine

K=02a

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FLOW #	ORDER #	X	TYPE	A	B	C	#	HEXADECIMAL				
								X	T	A	B	C
	1	13	E	[2]	[1,12] → ^{COS} START [9]		1	00d	1	002	01c	009
	2		TU	^{SIN} START [11] ^{COS} START [10]	UNPACKING [4]		2	000	5	00b	00a	004
	3	25	E	[2]	[1,12] → ^{SIN} START [9]		3	019	1	002	01c	009
	4	37	E	LINK [863]	25,12] → e [33]		4	025	1	35f	19c	021
2 →	5	25	E	LINK [863]	[25,12] → b [8]		5	019	1	35f	19c	008
	6	13	E	LINK [863]	[1,12] → r [41]		6	00d	1	35f	01c	029
	7	1	E	LINK [863]	[1,12] → θ [42]		7	001	1	35f	01c	02a
	8		D	b []b [] ÷ π	[1010] = ^b / _π [863]		8	000	3	000	3f2	35f
	9		TU		^{SIN} OR ^{COS} [()]		9	000	5	000	000	000
9 →	10		S	½ [1016] - ^b / _π [863] = ^b / _π [863]			a	000	a	3f8	35f	35f
9 →	11		A	1 [1022] + 0 [1023] = Q ₀ [858]			b	000	8	3fe	3ff	35a
	12		TNA	i+f [863] ½ × 2 ⁴ [43]	^{if} SIGNIFICANT [16]		c	000	f	35f	02b	010
	13		H	[fff]	[fff] CONTINUE [14]		d	000	6	fff	fff	00e
13 →	14		A	0 [1023] + 0 [1023] = 0 [863]			e	000	8	3ff	3ff	35f
	15		TU		ANS. [41]		f	000	5	000	000	029
12 →	16		TN	0 [1023] ± (i+f) [863] ± (i+f) > 0 [19]			10	000	e	3ff	35f	013
	17		S	0 [1023] ± (i+f) [863] = ^{SIGN} CHANGE [863]			11	000	a	3ff	35f	35f
	18		S	0 [1023] - Q ₀ = 1 [858] = Q _i [858]			12	000	a	3ff	35a	35a
16 →	19		A	½ × 2 ⁴ [43] + (i+f) [863] = ()			13	000	8	02b	35f	800
	20		S	() - ½ × 2 ⁴ [43] = i _{even}			14	000	a	800	02b	800
	21		S	+(i+f) [863] - i _{even} = i _{odd} + f [863]			15	000	a	35f	800	35f
	22		TU		[25]		16	000	5	000	000	019
25 →	23		S	i _{odd} + f [863] - 1 [1022] = ^b / _π [863]			17	000	a	35f	3fe	35f
	24		S	0 [1023] - Q _i [858] = Q _{i+1} [858]			18	000	a	3ff	35a	35a
22 →	25		TN	½ [1016] ^b / _π [863]		[23]	19	000	e	3f8	35f	017

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[illegible]

j = 02c
k = 02a

Sine-Cosine Routine

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SCS

000000102c3e8,

100

200

701

1 00d100201c009,
2 000500b00a004,
3 019100201c009,
4 025135f19c021,
5 019135f19c008,
6 00d135f01c029,
7 001135f01c02a,
8 00030003f235f,
9 0005000000000,
a 000a3f835f35f,
b 00083fe3ff35a,
c 000f35f02b010,
d 0006ffffff00e,
e 00083ff3ff35f,
f 00050000000029,
10 000e3ff35f013,
1 000a3ff35f35f,
2 000a3ff35a35a,
3 000802b35f800,
4 000a80002b800,
5 000a35f80035f,
6 00050000000019,
7 000a35f3fe35f,
8 000a3ff35a35a,
9 000e3f835f017,
a 000235f3f235f,
b 0002800800800,
c 000a3ff80035b,
d 00083ff3fe35e,
e 000835f3ff35c,
f 000835f3ff359,
20 000835e02c35e,
1 000200035f35d,
2 000a35e3fe800,
3 000235e800800,
4 000335c800800,
5 000235b80035c,
6 000835f80035f,
7 000b359800800,
8 000f35d80001f,
9 000235f35a000,

02a

02b

02c

0005000000000,
0288000000000,
0028000000000,

off

off